



15th International Conference «Intelligent Data Processing: Theory and Applications» IDP-2024

Federal Research Center “Computer Science and Control” of the Russian Academy of Sciences

Yanka Kupala State University of Grodno

Department of Mathematical Sciences of the
Russian Academy of Sciences

National Committee of the Russian Academy of
Sciences for Pattern Recognition and Image Analysis

Federal Research Center «Computer Science and Control» of the Russian Academy of Sciences and Yanka Kupala State University of Grodno are pleased to announce the 15th International Conference on Intelligent Data Processing: Theory and Applications (IDP-2024). The conference will be held from 23 to 27 September 2024 at YKSUG venue in Grodno, Belarus. Languages for the meeting are Russian, Belorussian and English.

The conference has been held regularly since 1989. It is one of the most recognizable scientific forums on data mining, machine learning, pattern recognition, image analysis, signal processing, and discrete analysis.

The conference is held with the organizational support of the Department of Mathematical Sciences of RAS, National Committee of RAS for Pattern Recognition and Image Analysis and Intellectual Ring Ltd.

Key Topics

- Data Mining,
- Machine Learning,
- Big Data Analytics,
- Deep Learning,
- Computer Vision,
- Data Mining Optimization Techniques,
- Algorithmic Complexity and Approximate Methods,
- Image Processing, Computer Vision,
- Signal processing,
- Information Retrieval and Text Analysis,
- Industrial Data Science Applications,
- Analysis of Biomedical Data, Bioinformatics,
- Methods of Mathematical Modeling in Data Mining,
- Data Mining in Information Security.

The program committee based on requests of potential participants can expand the topic of the conference.

The conference accepts papers representing the latest achievements in the theory and practice of data mining. The papers should demonstrate the theoretical achievements in addressing the fun-

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damental problems of data mining and pay attention to the possible applications of these achievements. Papers demonstrating the solution of practical problems should use modern theoretical methods, motivated by real needs of the modern world. Innovative solutions of the industry and business problems require particular attention.

The book of abstracts will be published before the conference. The program committee will accept abstracts for publication based on peer-review and fulfillment of the following conditions:

- live presentation by an author of the report;
- payment of the registration fee;
- provision of a package of required documents in the original.

To increase audience coverage, conference sessions will be broadcast via video link. Submission of reports via video link is not encouraged, and will be allowed only in exceptional cases and with full payment of the registration fee.

An extended version of selected reports will be recommended for publication in journals published by FRC SCS RAS: "Pattern Recognition and Image Analysis", "Informatics and Applications", "Systems and Means of Informatics", "Computational Mathematics and Mathematical Physics".

Important Dates

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|------------------------|--|
| <i>August 04</i> | submission deadline |
| <i>August 18</i> | submission deadline with the express processing surcharge, deadline of acceptance of the required documents (scans and track number) |
| <i>August 26</i> | notification of abstract acceptance |
| <i>September 01</i> | payment deadline |
| <i>September 16</i> | preliminary conference program publication |
| <i>September 23</i> | conference opening |
| <i>September 23–24</i> | conference work: participants registration, lectures |
| <i>September 25</i> | excursion |
| <i>September 26–27</i> | conference work: participants registration, lectures |
| <i>September 27</i> | conference closing |

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Rules for Abstract Submission

Authors should submit abstracts, prepared in accordance with the [instructions](#), to info@mmro.ru until August 4, 2024 (until August 18 with the express processing surcharge). The volume of abstracts without the heading (title and list of authors) and the bibliography is up to one page; the total length of abstracts is up to two pages.

In addition to the abstract, the application letter must contain a short questionnaire:

- name and status of the speaker: student, graduate student or other;
- list of conference visitors for making invitations and name badges and their expected visit dates;
- intention to participate in the selection for publication of extended articles (yes/no).

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The e-mail used to submit the application will be used for all further communications with the authors of the report, including notifications of extended publications.

Registration Fee

The amount of the registration fee (in Russian rubles) for participation in the conference depends on the category of the speaker and the time of application:

- students and graduate students – 3000 rubles;
- the rest – 5000 rub.

The same categories, but with an additional payment for express processing of abstracts (application submission August 5–18 inclusive):

- students and graduate students – 5000 rubles;
- the rest – 7000 rub.

The specified registration fee only includes participation in the conference without accommodation. The procedure for paying registration fees and options and costs of accommodation will be communicated additionally.

Those wishing to participate in the conference without a report must agree with the organizing committee of the conference.

The Required Documents

Accompanying documents for the publication of abstracts must include an agreement on the transfer of rights to publication, signed by the authors. The agreement template will be published on the conference website.

Participants from the Russian Federation and the Republic of Belarus should provide additional documents. For a complete list, please refer to the information letter in Russian.

Documents are accepted by registered mail to the 119333, Russian Federation, Moscow, 44k2 Vavilova St., FRC SCS RAS, Borisova T.I. The track number of the letter must be communicated to the organizing committee by email along with scanned copies of documents before August 18 inclusive. Otherwise, the organizing committee reserves the right to exclude the abstracts of the report from the book.

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